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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Peter C. EKLUND et al.

Attorney Docket Number: 025756-00003

Serial Number: 10/800,033

Confirmation Number: 6871

Filed: March 15, 2004

Group Art Unit: 1773

For: HYDROGEN STORAGE MATERIAL BASED ON A MULTI-LAYERED  
CORE/SHELL STRUCTURE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date: July 19, 2004

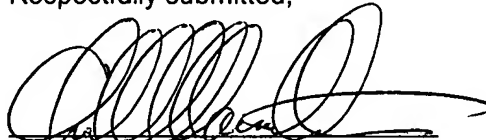
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information items listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the items be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date, OR (b) before the mailing date of a first Office Action on the merits in the present application, OR (c) accompanies a Request for Continued Examination. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

- ☐ c. Check number \_\_\_\_\_ in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account Number 01-2300 as needed to ensure consideration of the disclosed information.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicants hereby petition that the Information Disclosure Statement be considered. Attached is our check number \_\_\_\_\_ in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account Number 01-2300 as needed to ensure consideration of the disclosed information.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

Respectfully submitted,



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Enclosures: Form PTO-1449  
References (6)

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

025756-00003

SERIAL NUMBER

10/800,033

APPLICANT

Peter C. EKLUND et al.

FILING DATE

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GROUP ART UNIT

1773

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO PART.		
	AD								
	AE								

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AF	JANSEN, S. et al., "Hydrogen Diffusion in Nanocrystalline Pd by Means of Quasielastic Neutron Scattering", 1997, <i>NanoStructured Materials</i> , Vol. 9, pages 579 - 582
	AG	KUJI, Toshiro et al., "Thermodynamic Properties of Hydrogen in Fine Pd Powders", 1999, <i>Journal of Alloys and Compounds</i> 293-295, pages 19 - 22
	AH	KUJI, Toshiro et al., "Hydrogen Absorption of Nanocrystalline Palladium", 2002, <i>Journal of Alloys and Compounds</i> 330-332, pages 718 - 722
	AI	NISHIMIYA, Nobuyuki et al., "Hyperstoichiometric Hydrogen Occlusion by Palladium Nanoparticles Included in NaY Zeolite", 2001, <i>Journal of Alloys and Compounds</i> 319, pages 312 - 321
	AJ	YAMAURA, Shin-ichi et al., "Hydrogen Absorption of Nanoscale Pd Particles Embedded in ZrO <sub>2</sub> Matrix Prepared from Zr-Pd Amorphous Alloys", June 2002, <i>J. Mater Res.</i> , Vol. 17, No. 6, pages 1329 - 1334
	AK	ZALUSKA, A. et al., "Structure, Catalysis and Atomic Reactions on the Nano-scale: A Systematic Approach to Metal Hydrides for Hydrogen Storage", 2001, <i>Applied Physics A Materials Science &amp; Processing</i> 72, pages 157 - 165

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.